

Micro-Magnetic Latching Switch With Relaxed Permanent  
Magnet Alignment Requirements

Jun Shen, et al.

Application No.: 10/051,447

Docket No.: 12218.1600

Snell & Wilmer / Brett A. Carlson, Reg. No. 39,928

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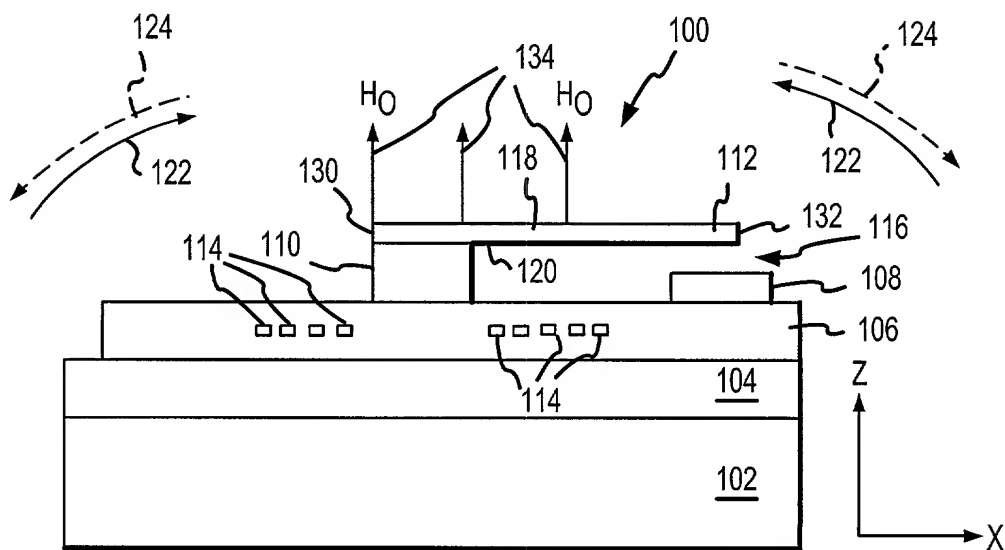


FIG.1A

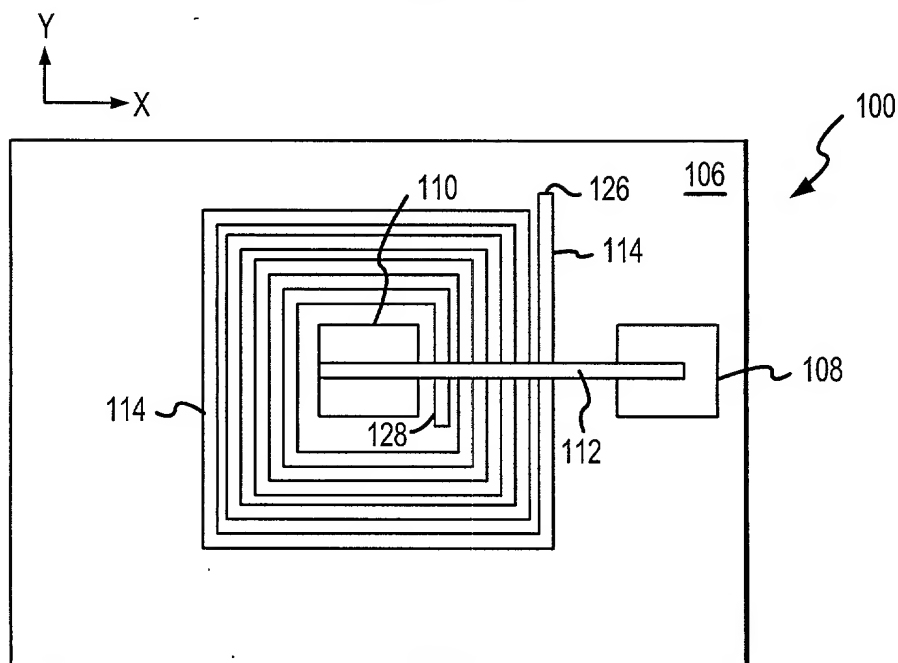


FIG.1B

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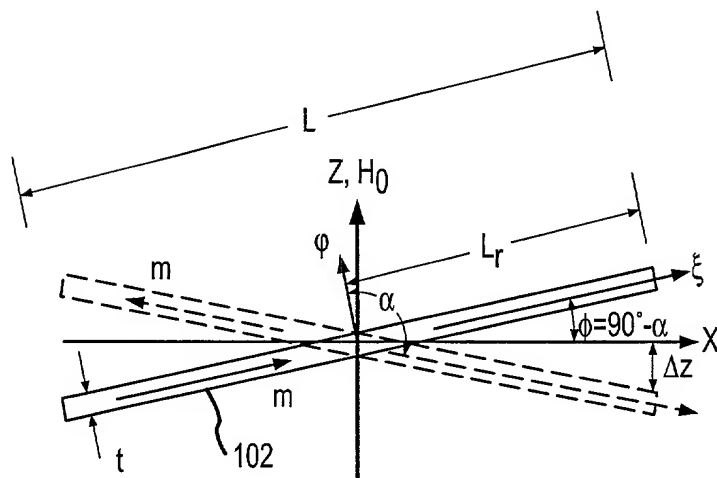


FIG. 2

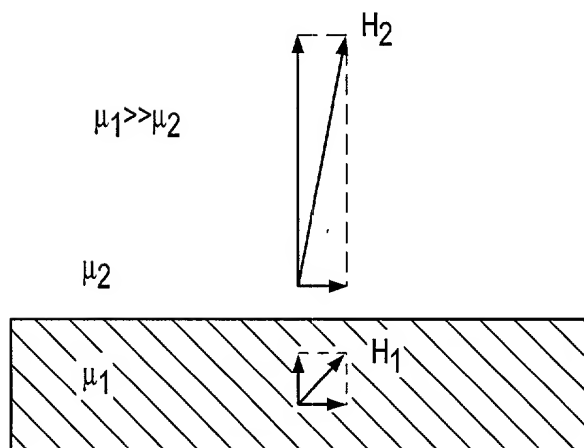


FIG. 3

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Micro-Magnetic Latching Switch With Relaxed Permanent  
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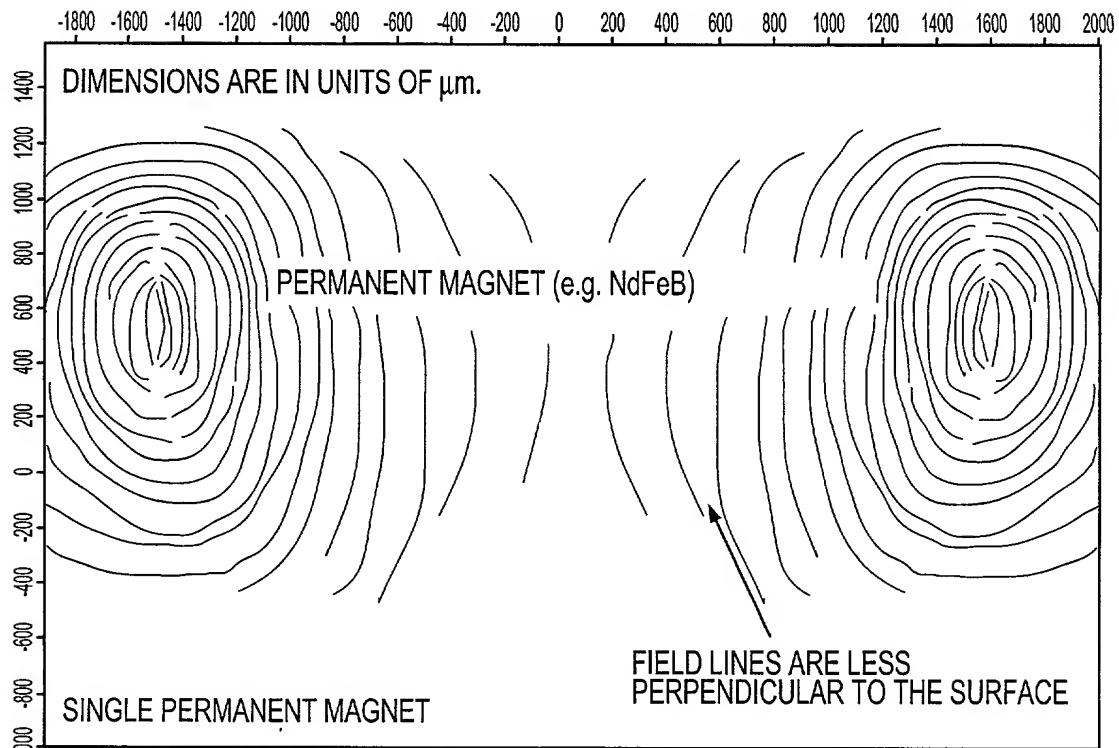


FIG. 4A

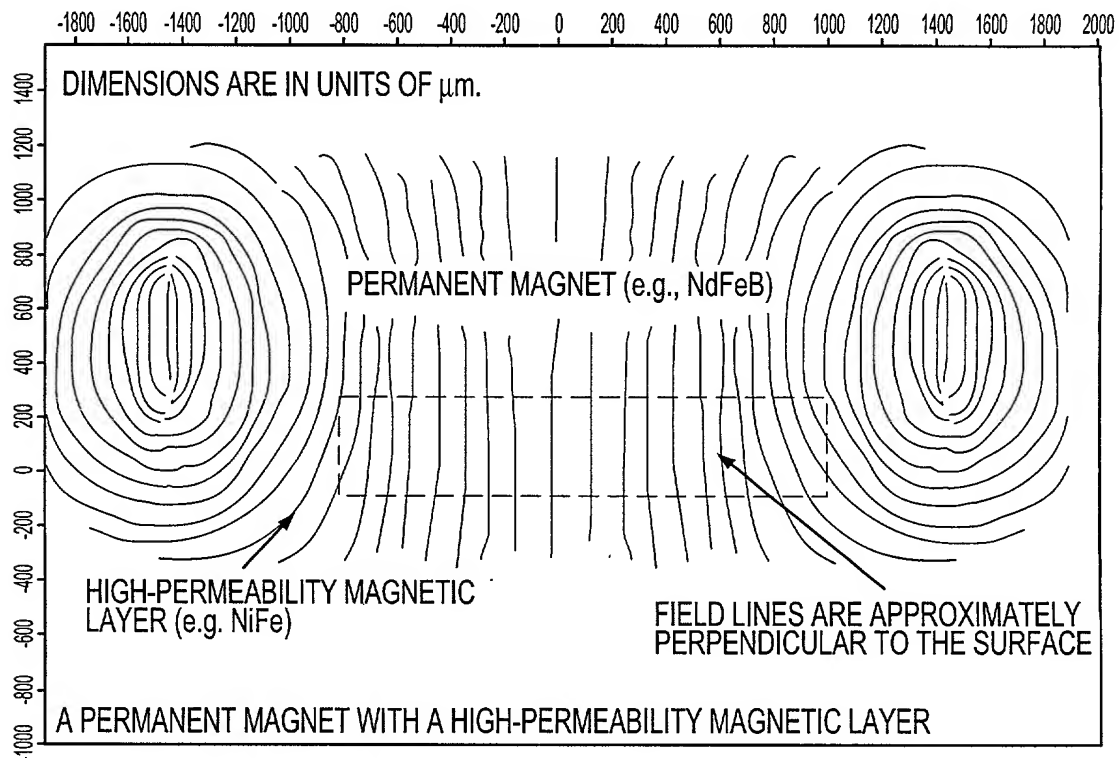


FIG. 4B

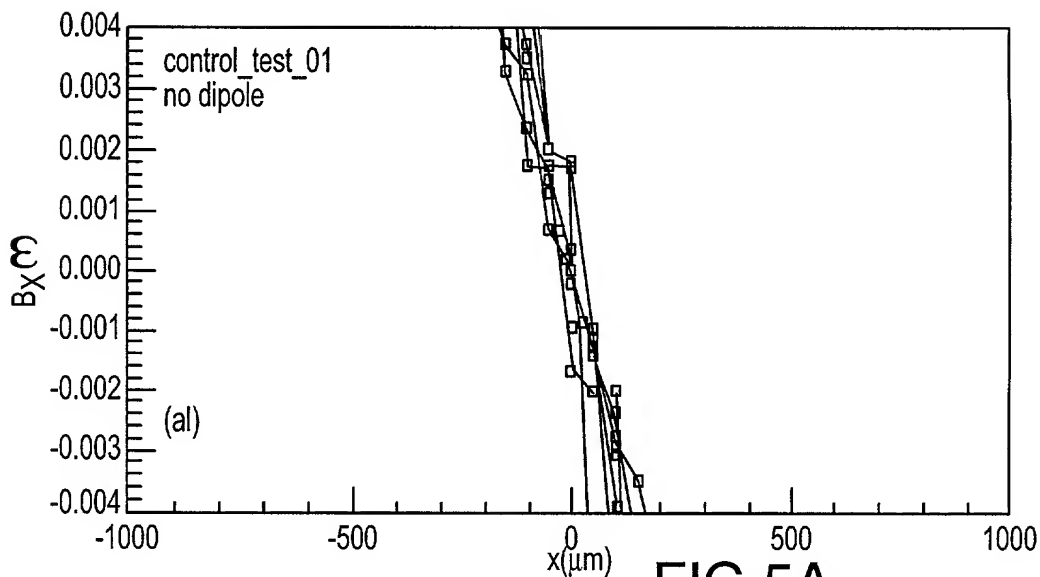


FIG. 5A

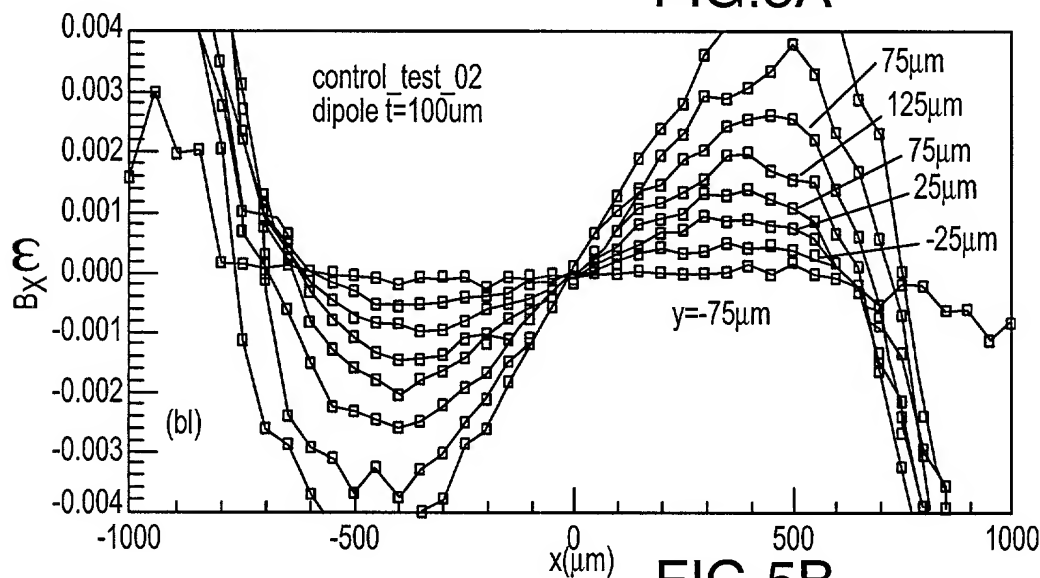


FIG. 5B

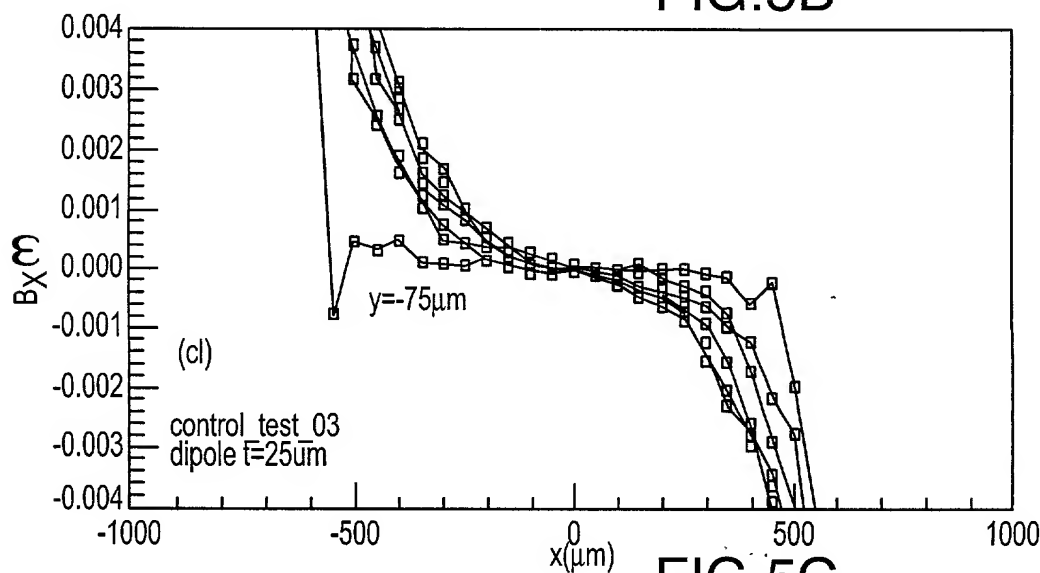


FIG. 5C

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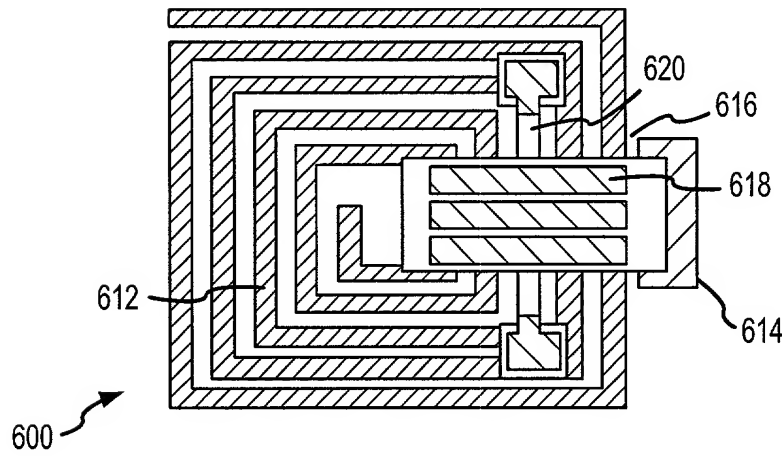


FIG. 6A

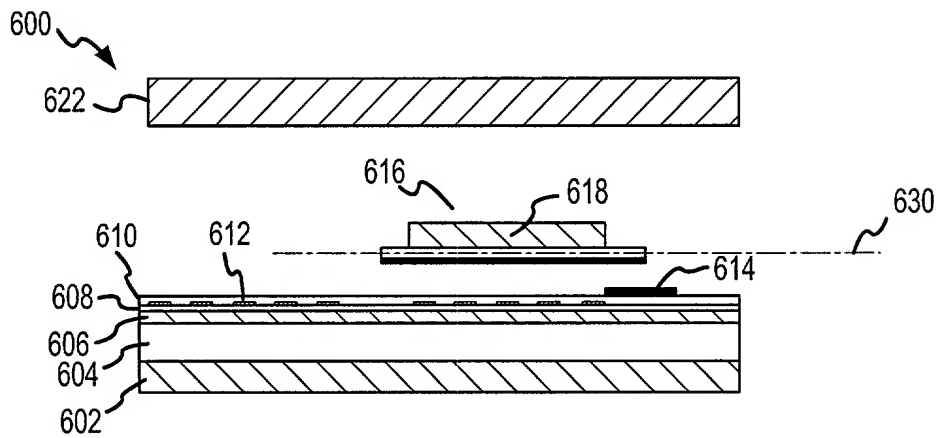


FIG. 6B

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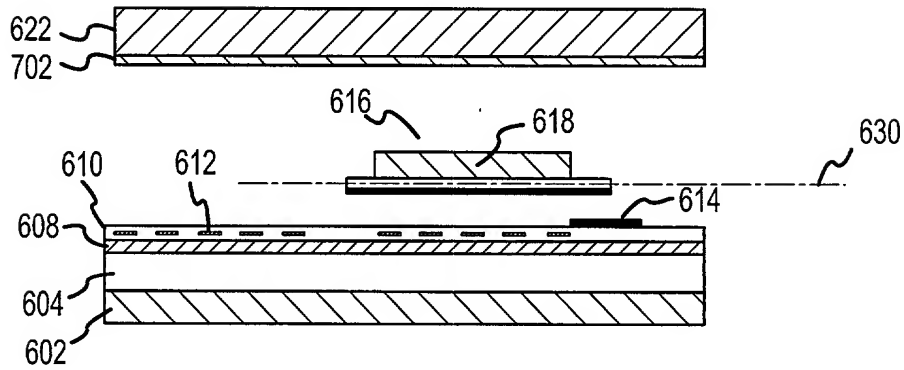


FIG.7

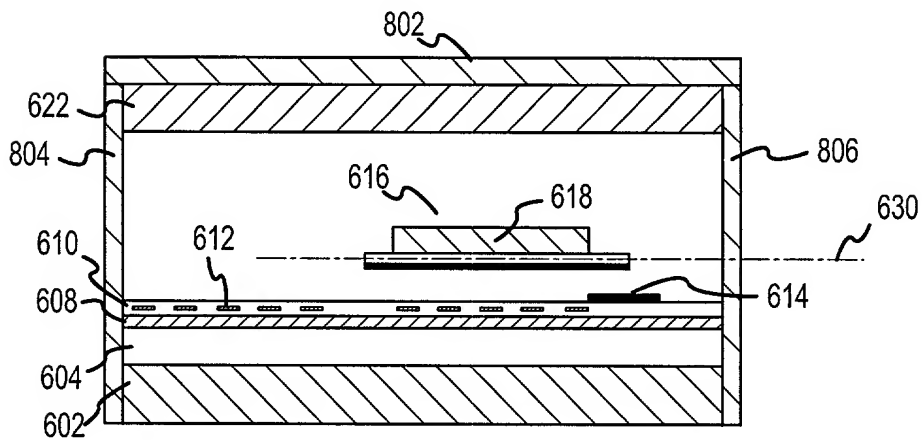


FIG.8

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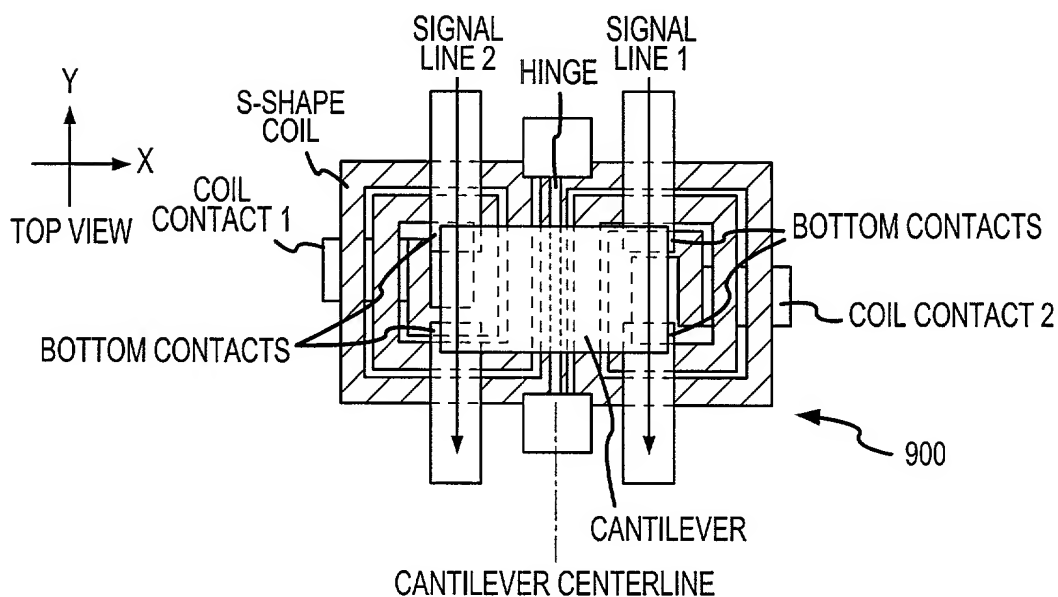


FIG. 9A

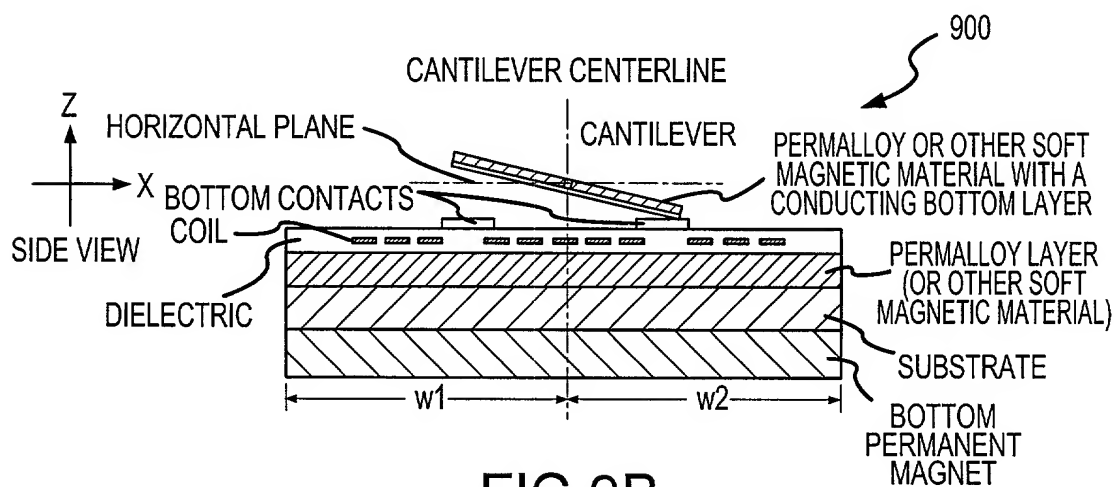


FIG. 9B

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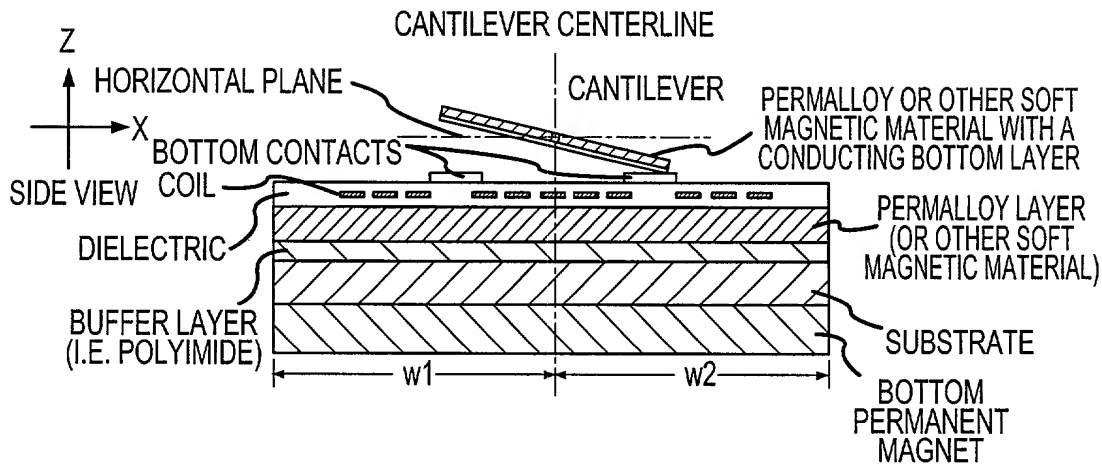


FIG. 10

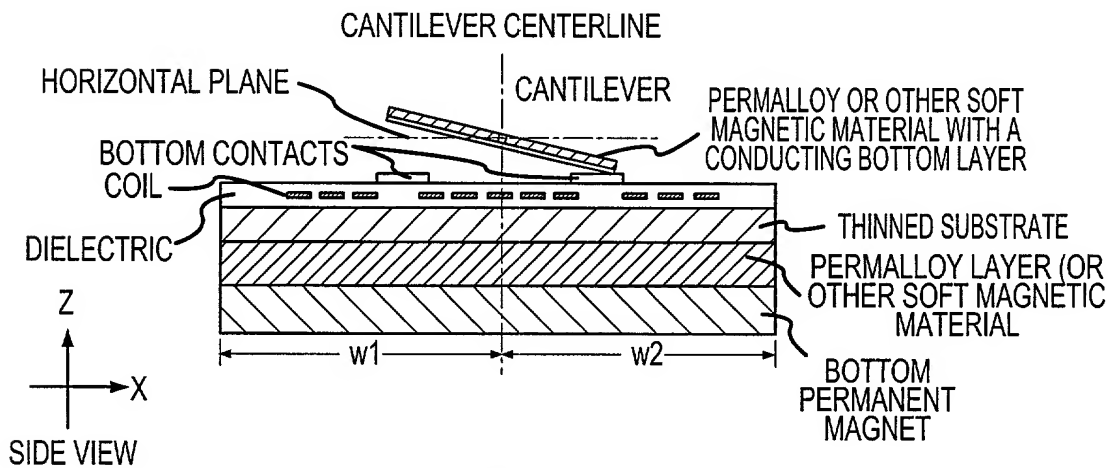


FIG. 11

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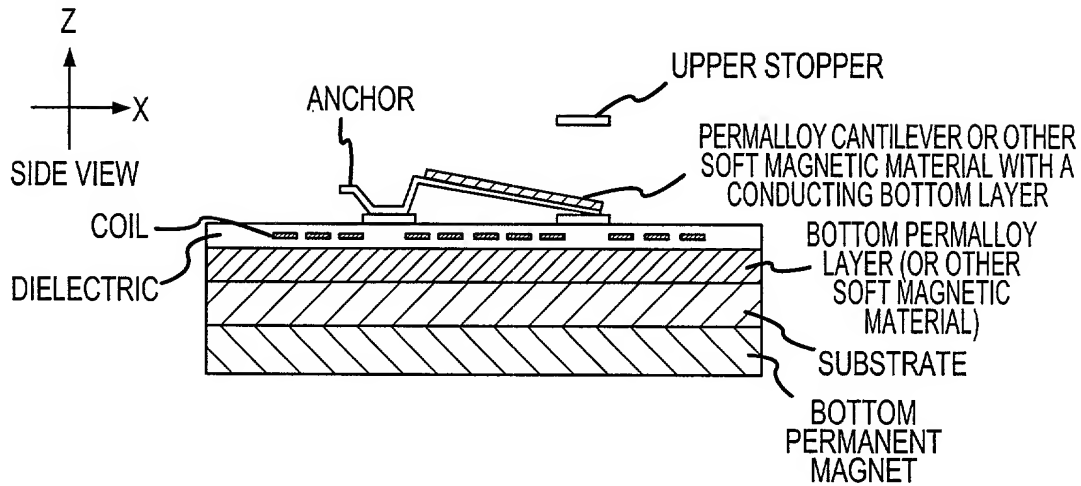


FIG.12

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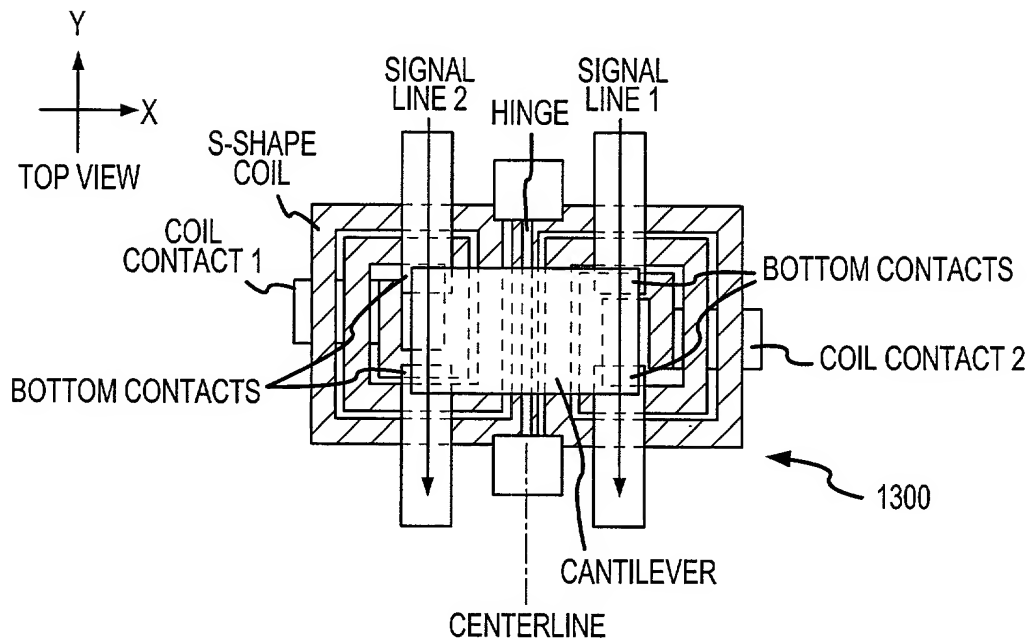


FIG. 13A

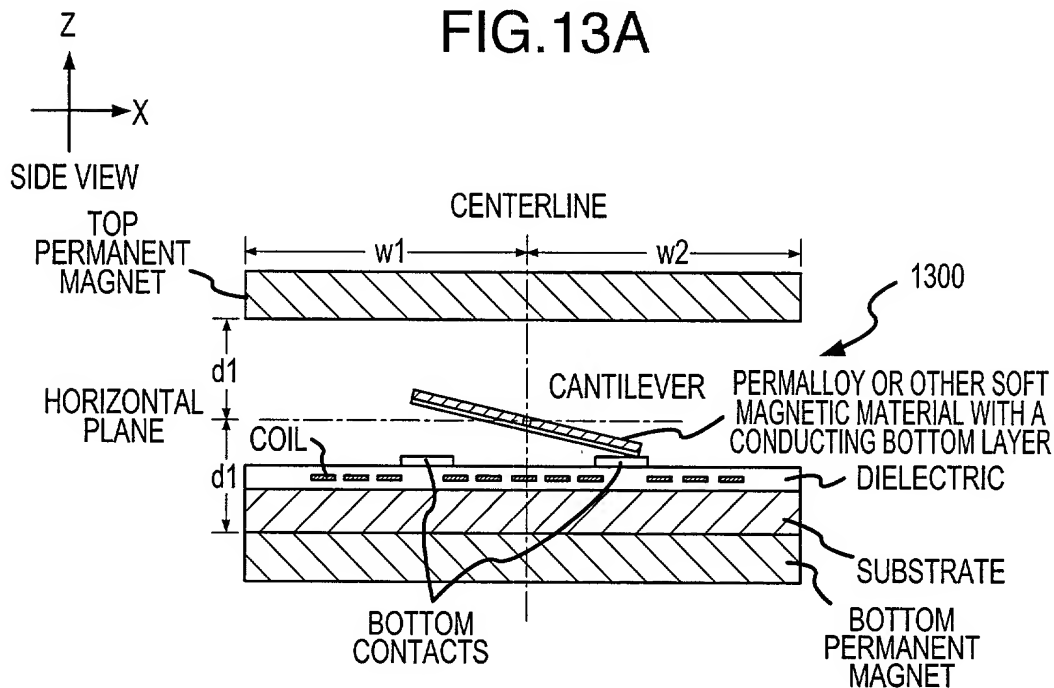


FIG. 13B

10051447.5001

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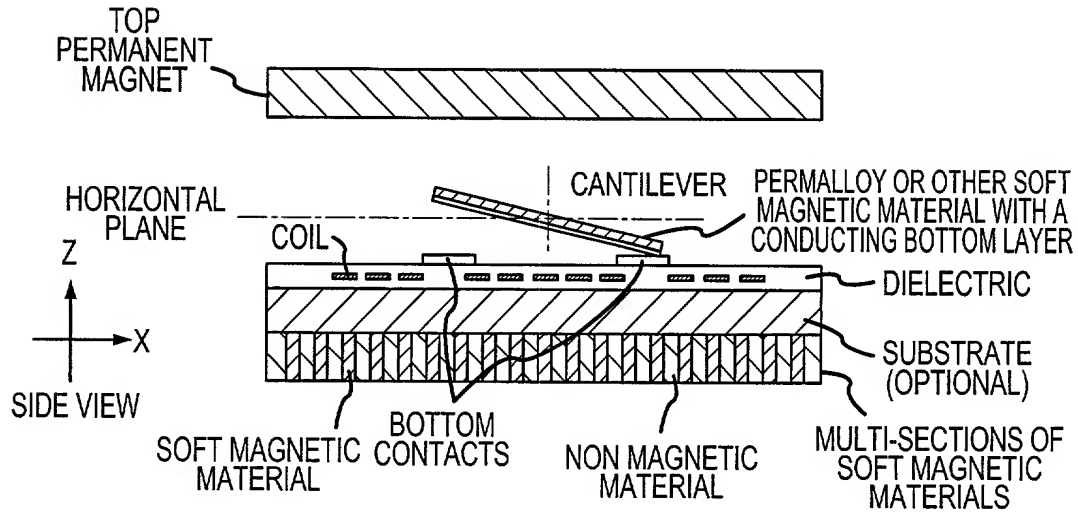


FIG.13C

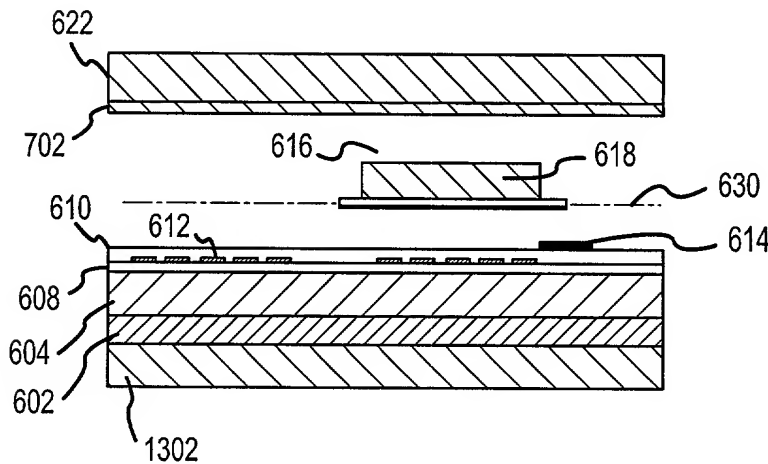


FIG.13D

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PREFERRED REGION OF  
PLACEMENT OF THE MICRO  
MAGNETIC LATCHING SWITCH

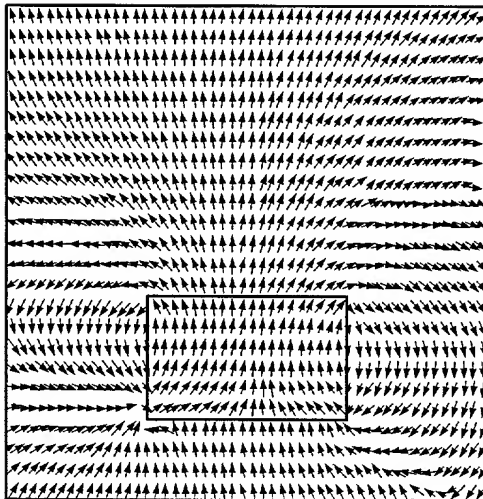


FIG. 14A

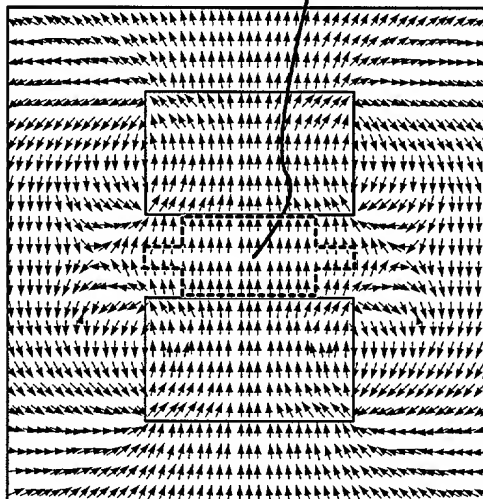


FIG. 14B

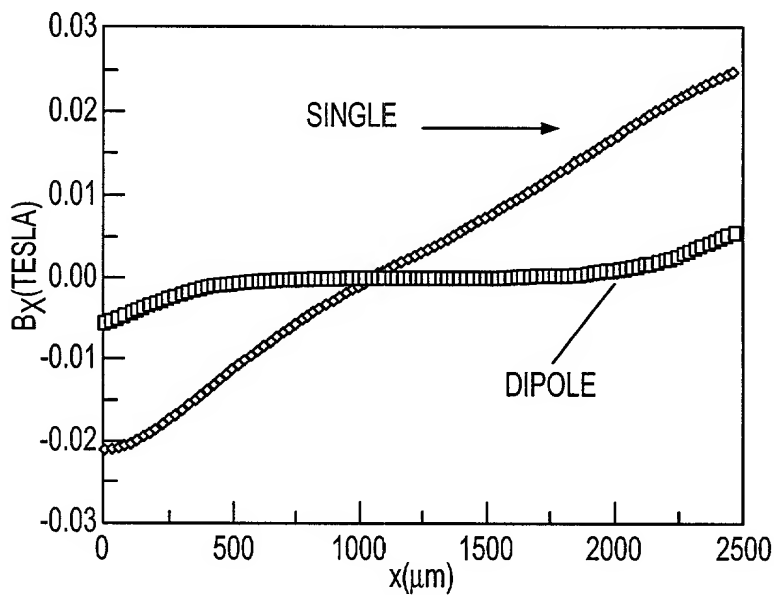


FIG. 14C

Micro-Magnetic Latching Switch With Relaxed Permanent  
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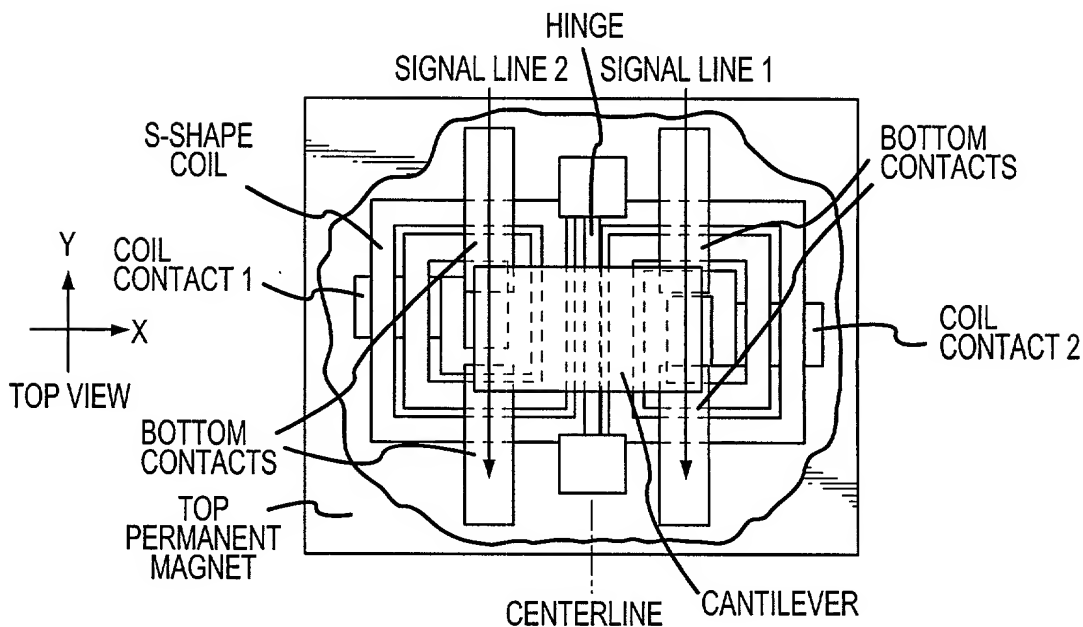


FIG. 15A

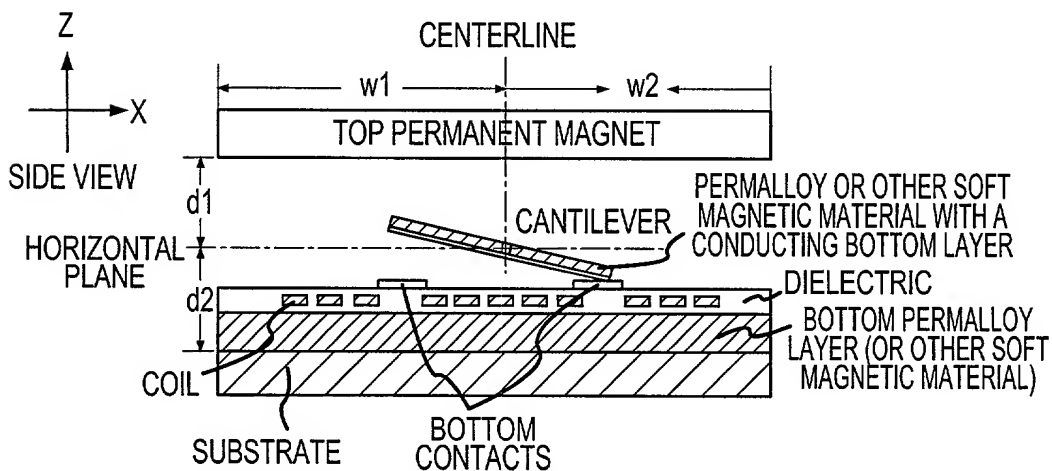


FIG. 15B

Micro-Magnetic Latching Switch With Relaxed Permanent  
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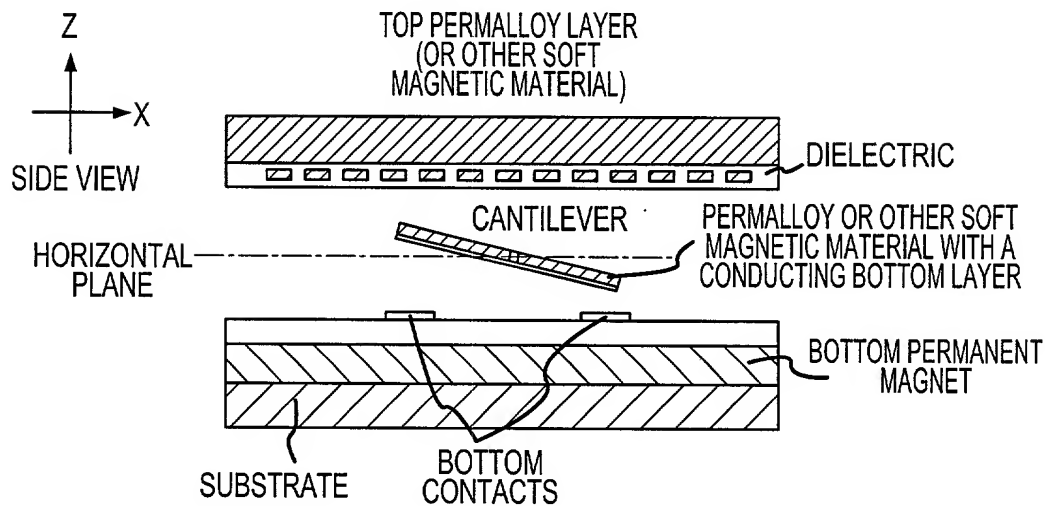


FIG. 16

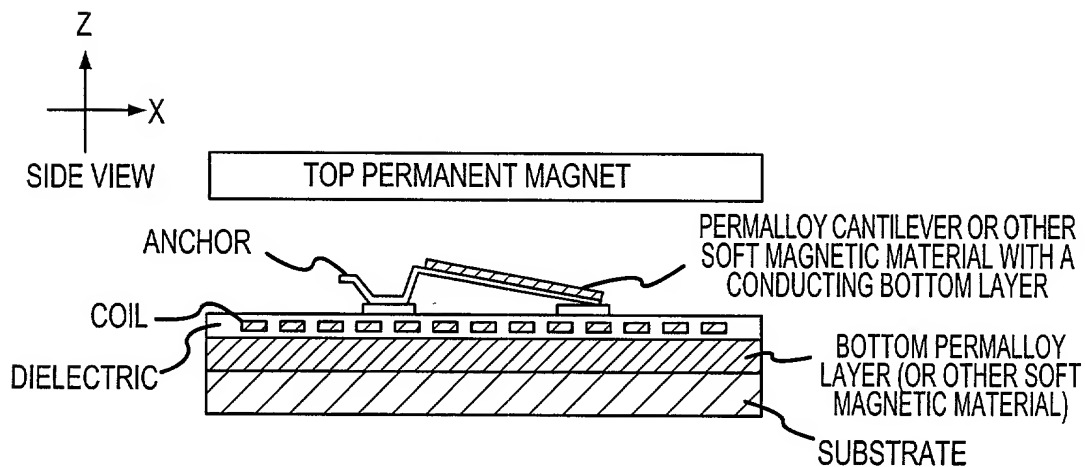
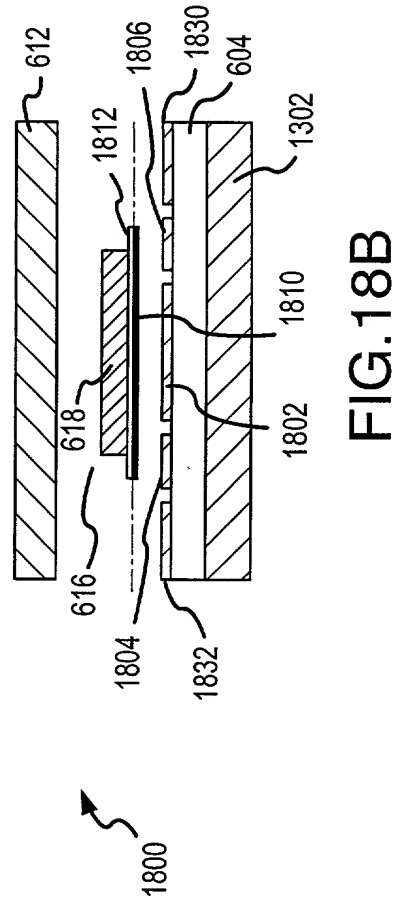
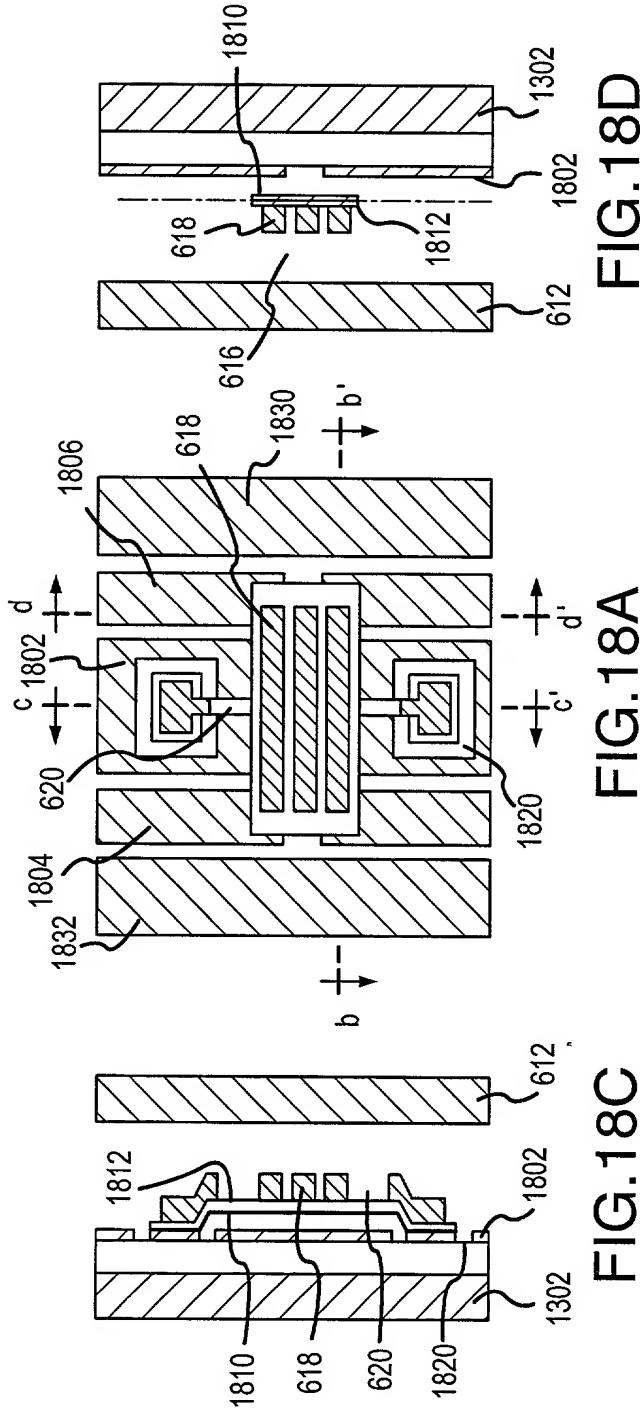


FIG. 17

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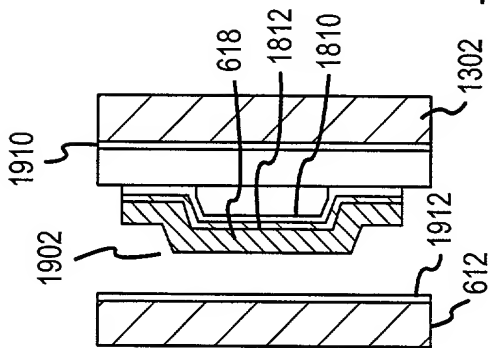


FIG. 19D

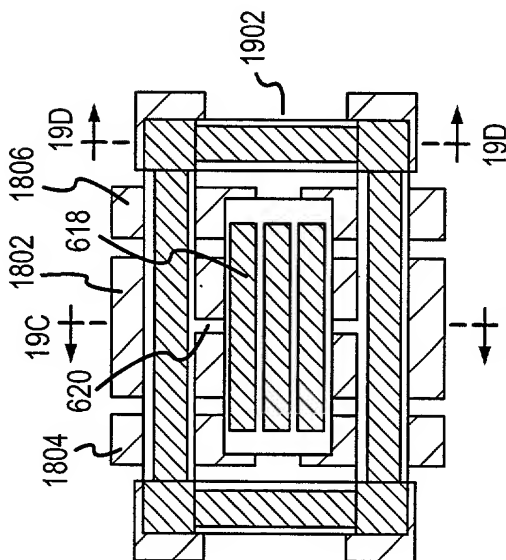


FIG. 19A

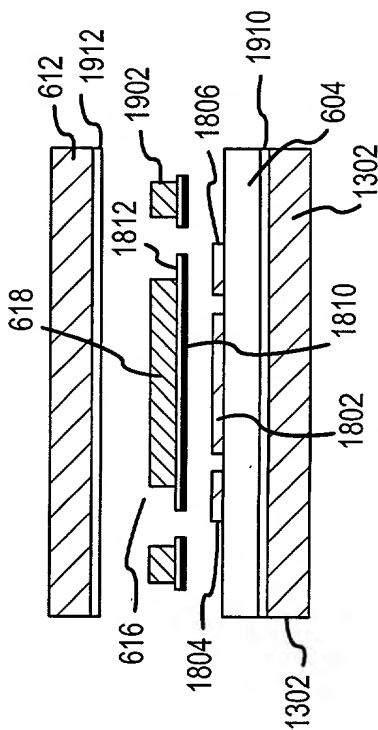


FIG. 19B

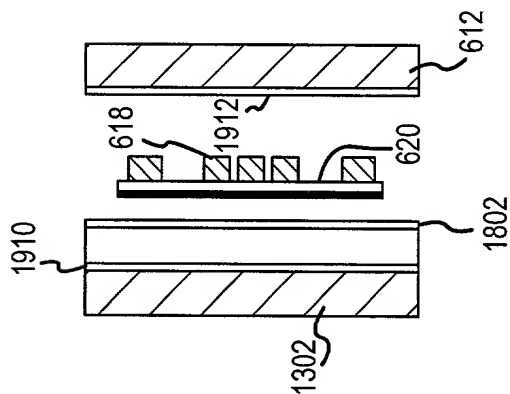


FIG. 19C



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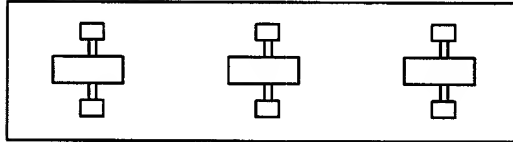


FIG. 20

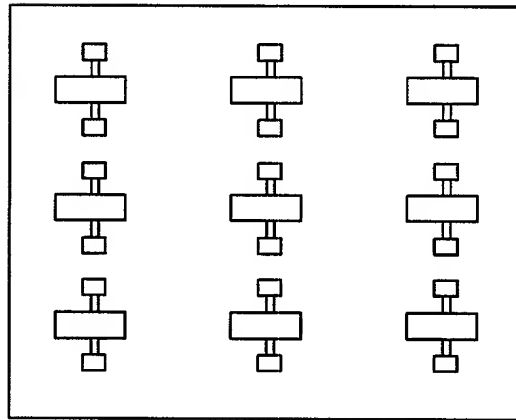


FIG. 21

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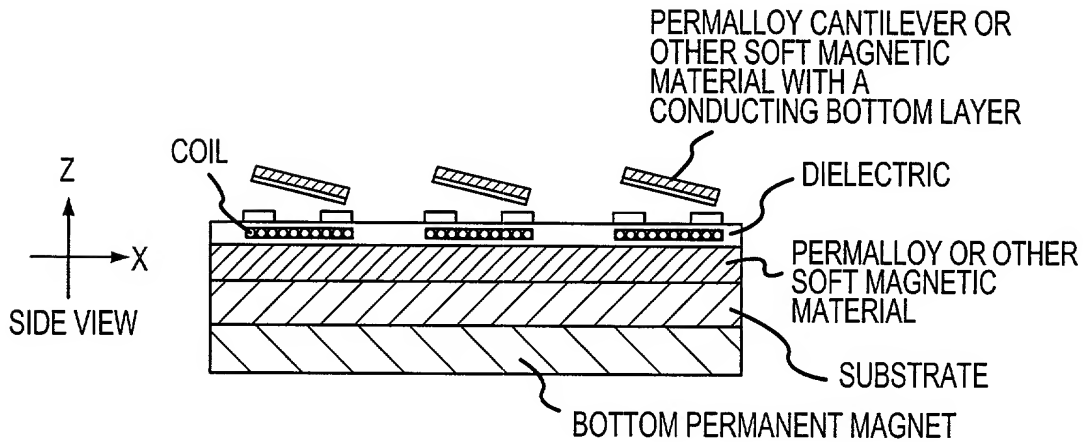


FIG. 22

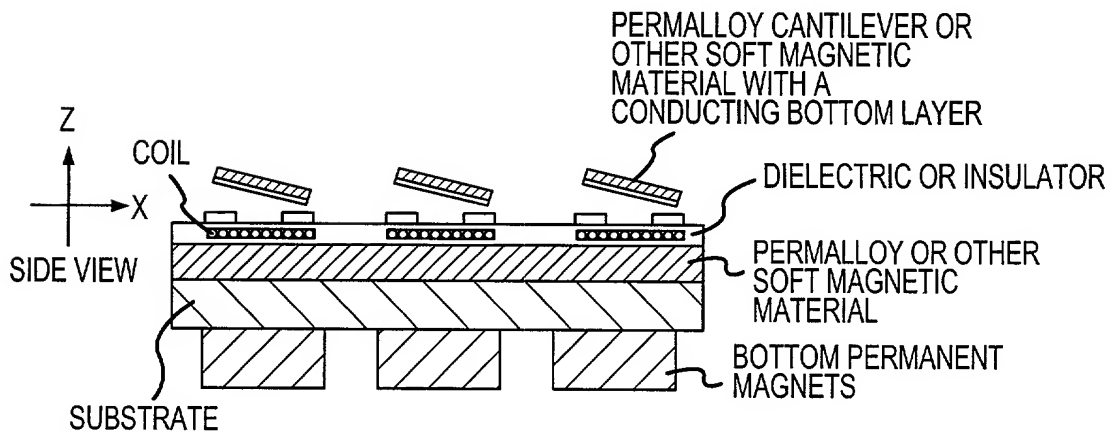


FIG. 23

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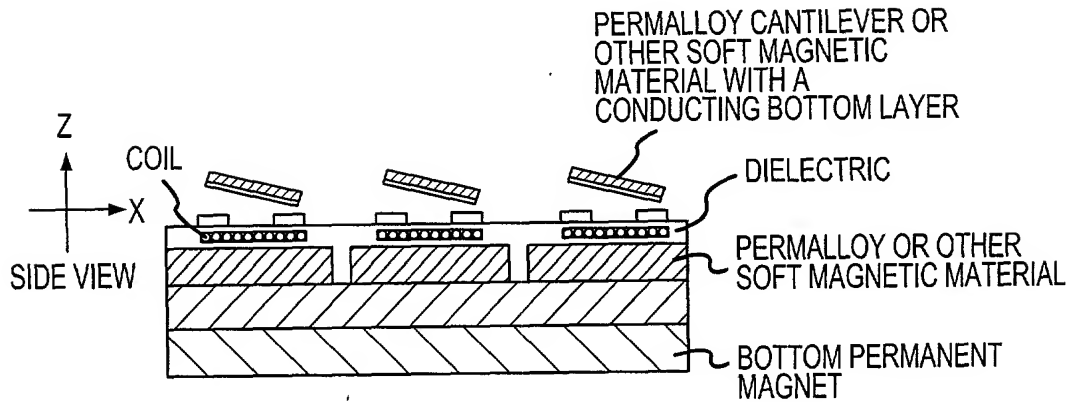


FIG. 24

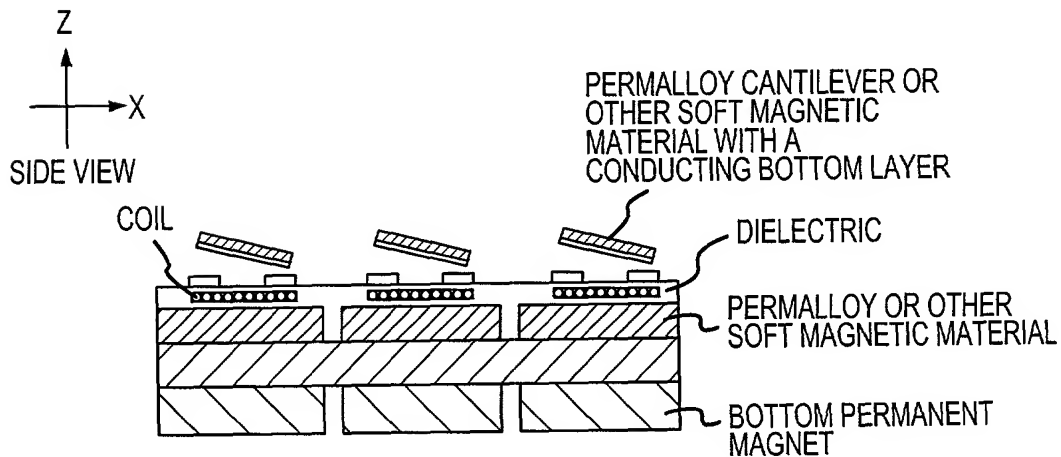
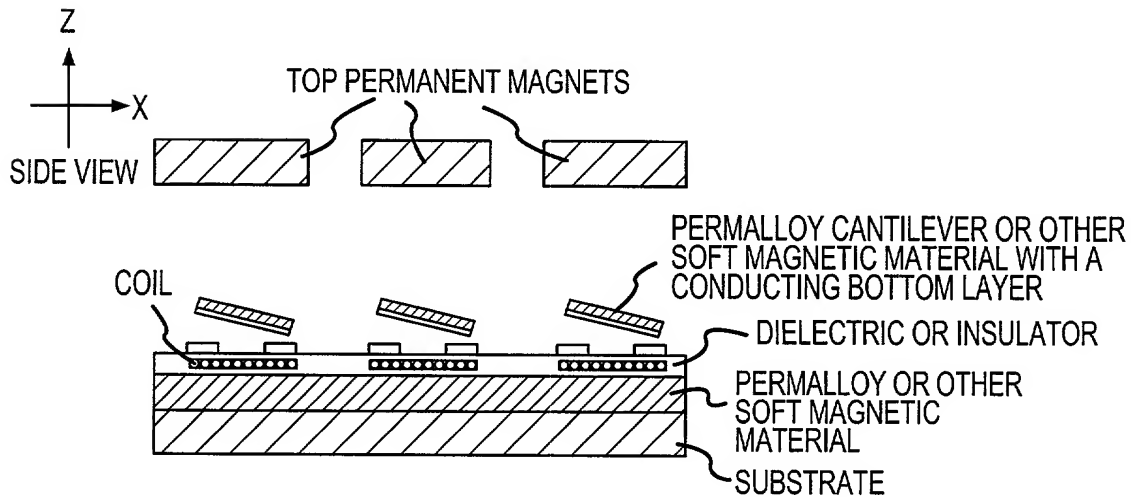
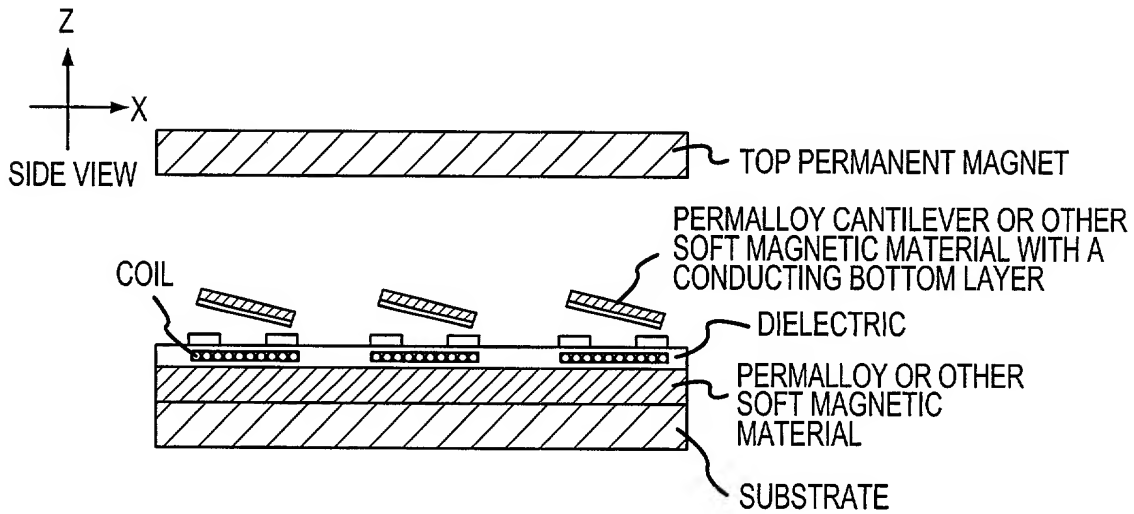


FIG. 25

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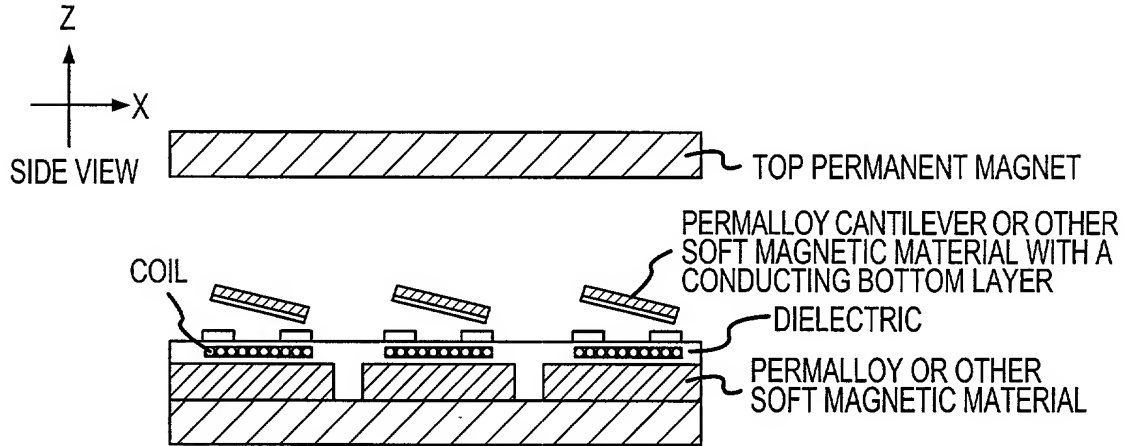


FIG.28

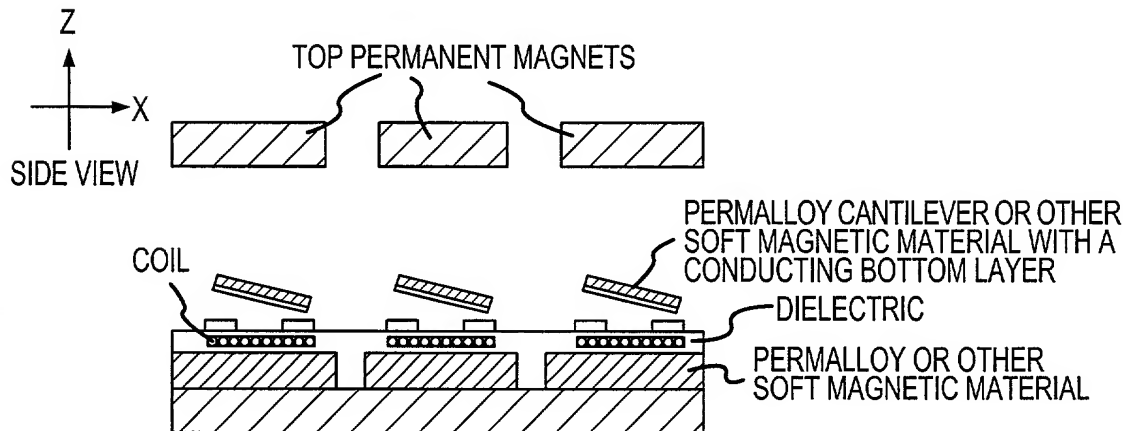


FIG.29

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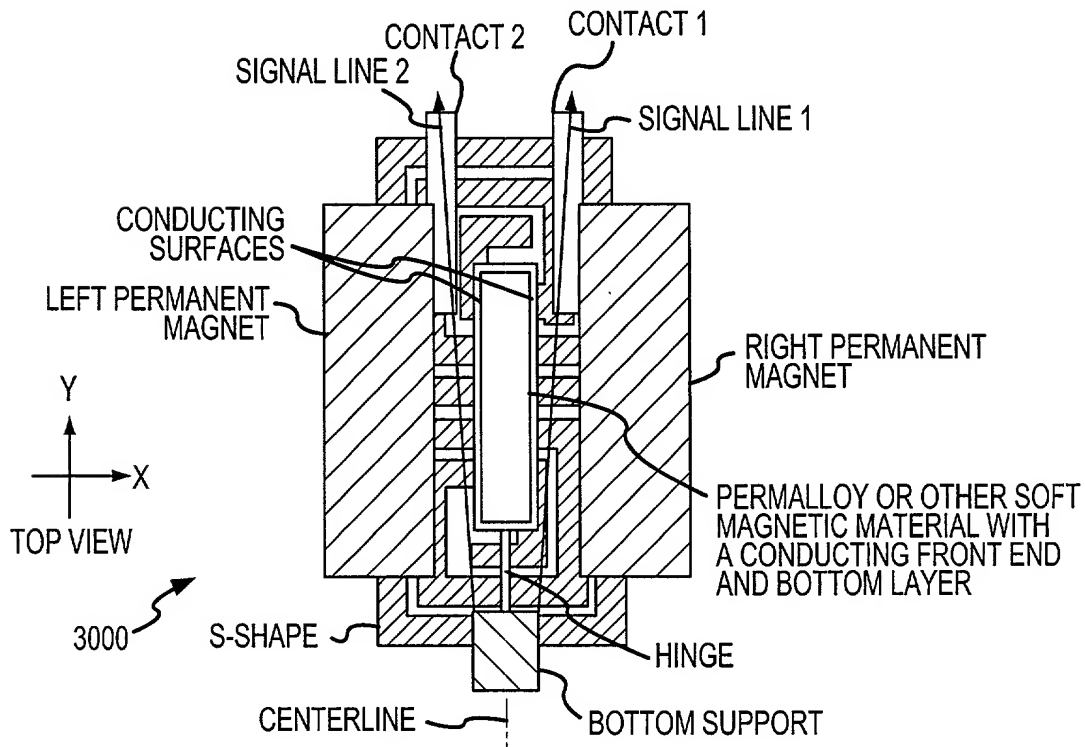


FIG.30A

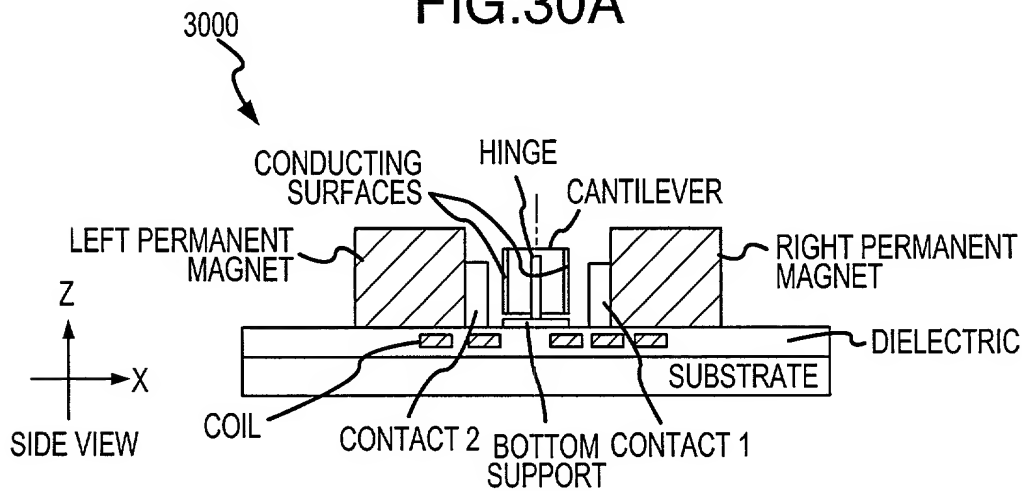


FIG.30B

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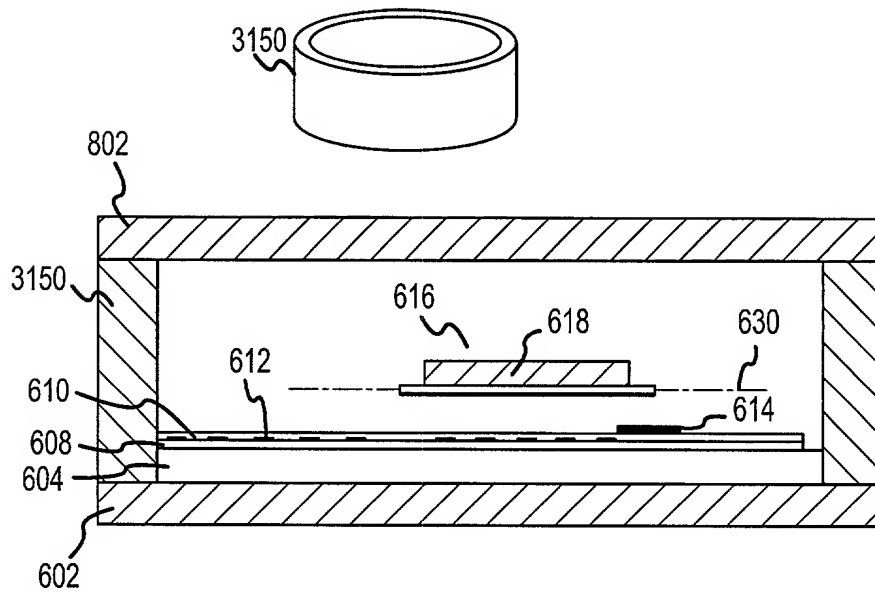


FIG.31

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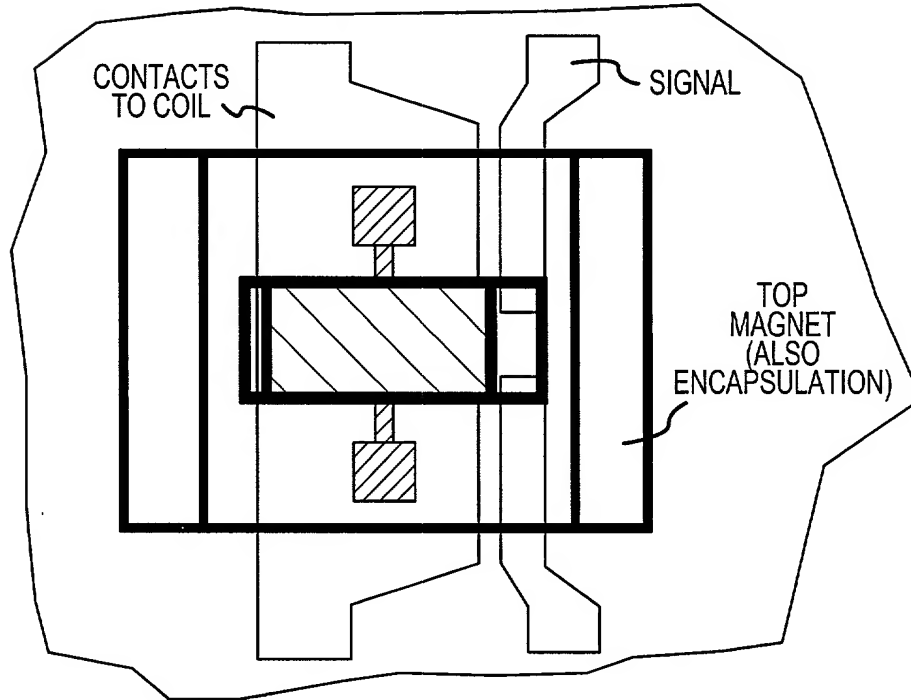


FIG.32A

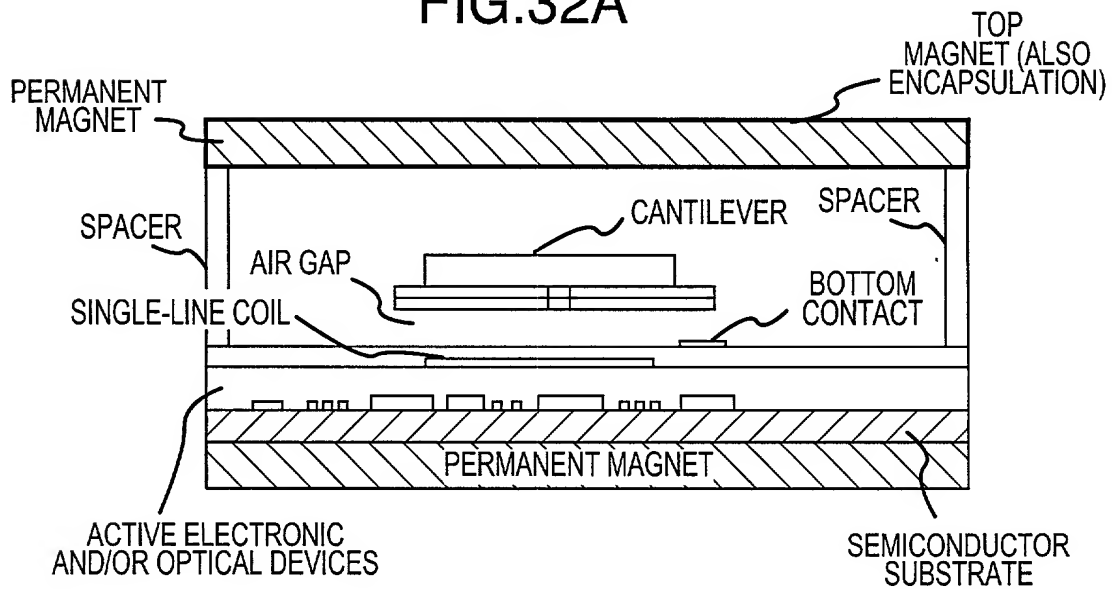


FIG.32B



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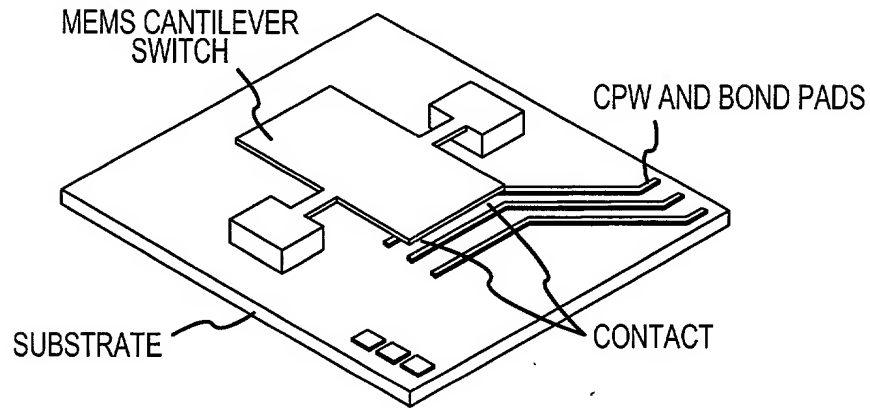


FIG.33

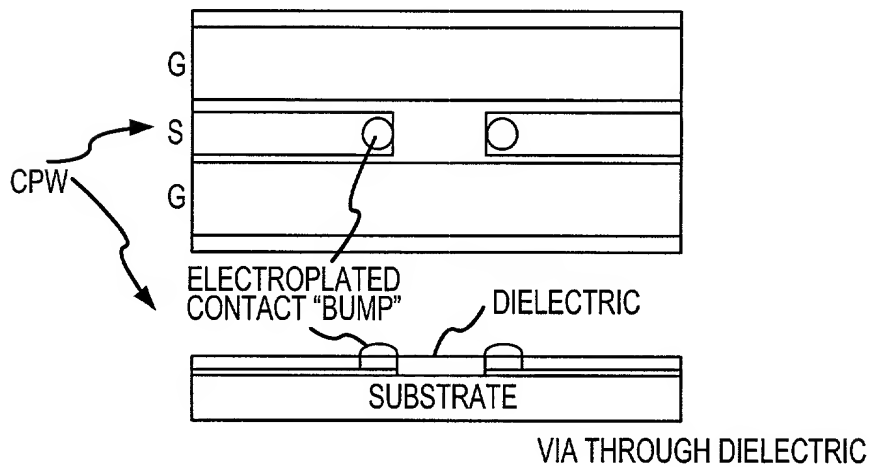


FIG.34

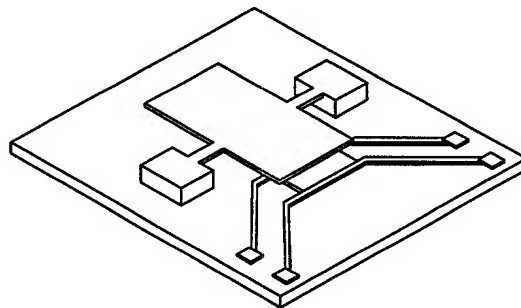


FIG.35

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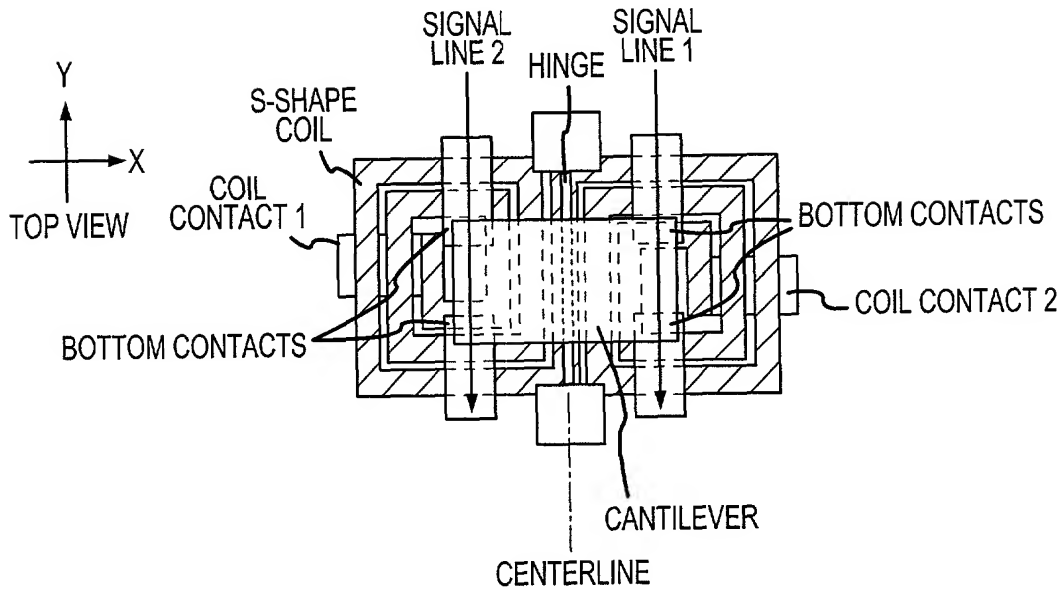


FIG. 36A

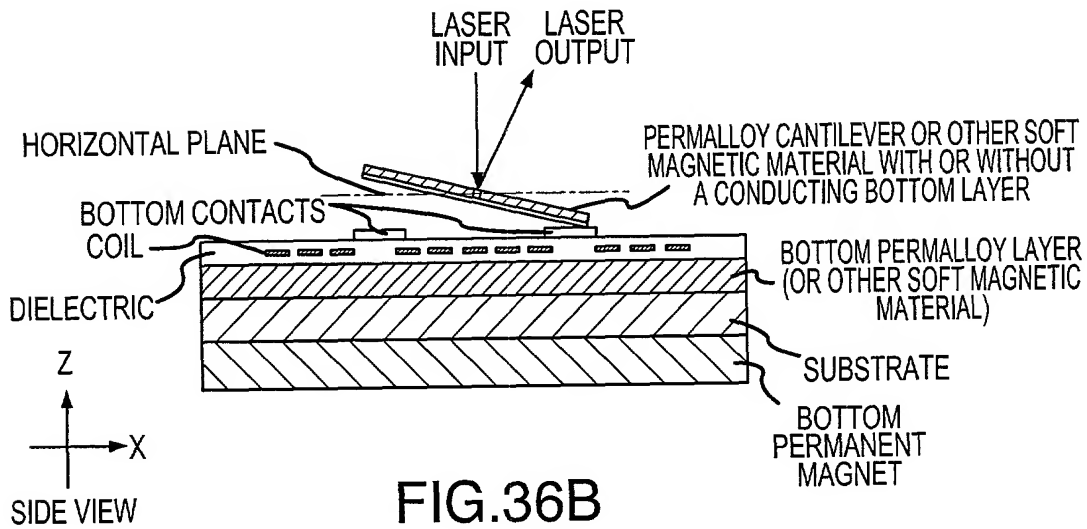


FIG. 36B

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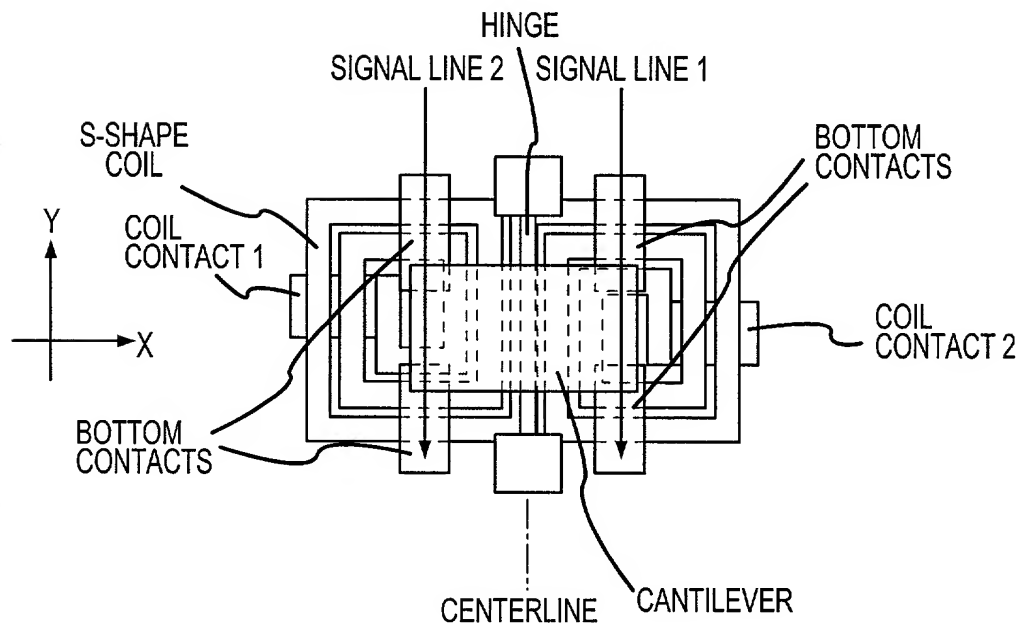


FIG. 37A

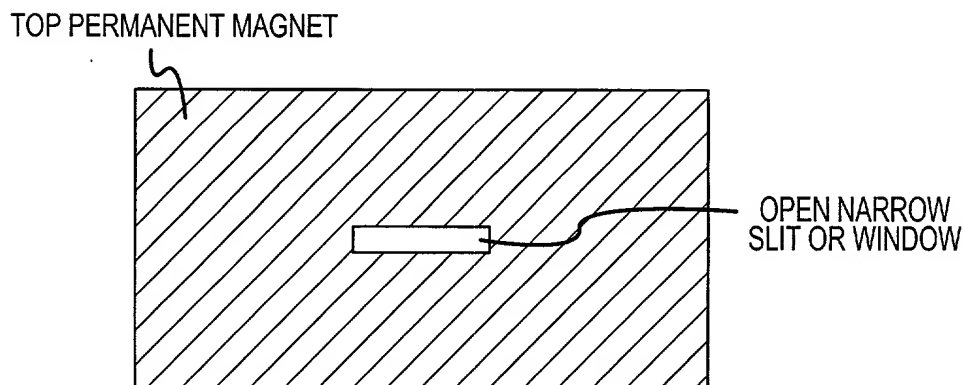


FIG. 37B

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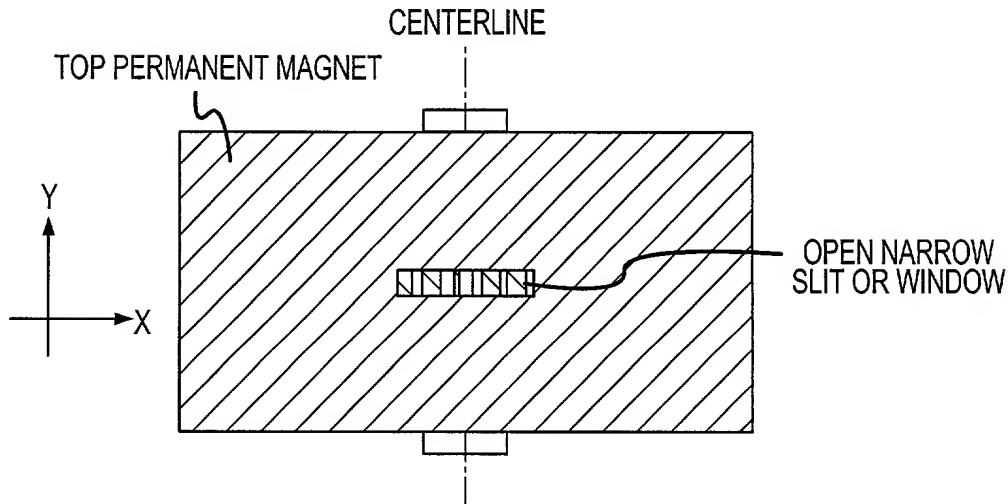


FIG.37C

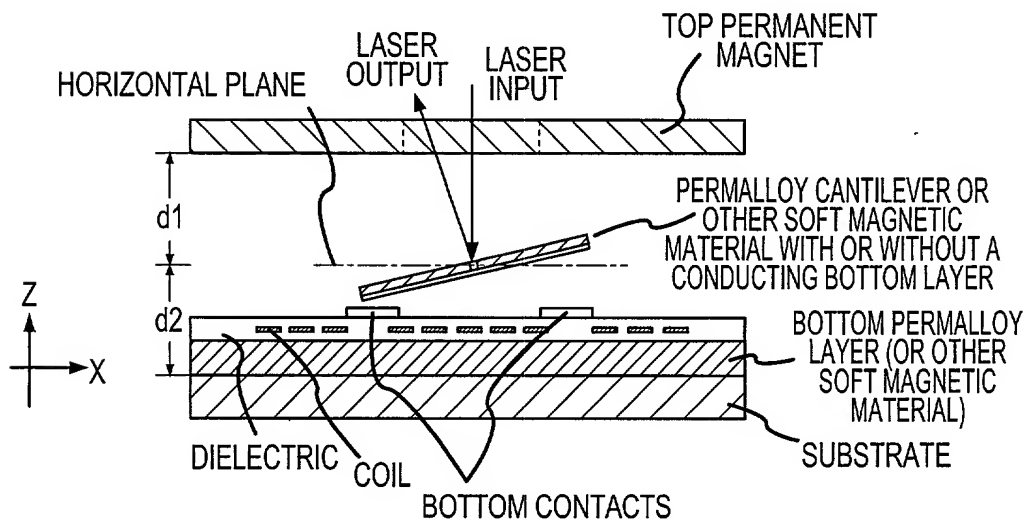


FIG.37D

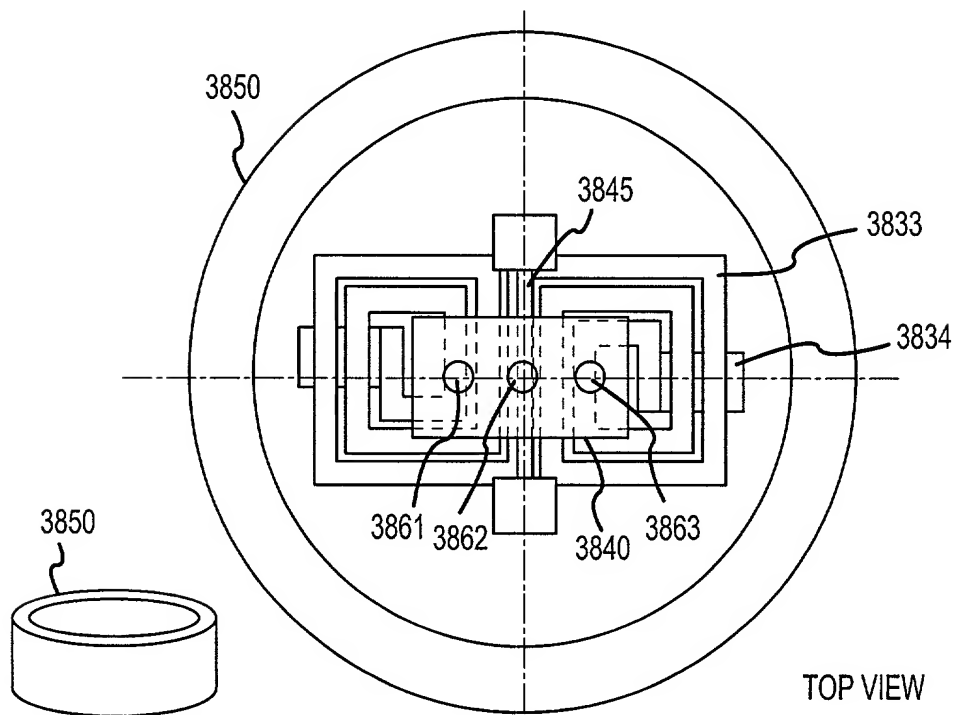


FIG.38A

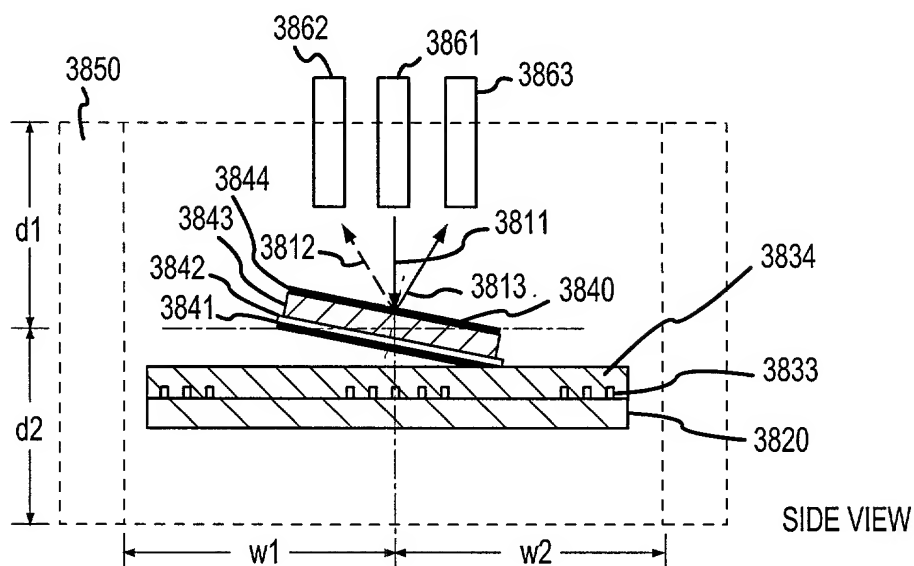


FIG.38B